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Proceedings of the Club.

WEDNESDAY EVENING, NOVEMBER 29TH, 1893.

Dr. J. Bernard Brinton in the chair and sixteen persons present.

The following papers were read :

"On the Genus *Amelanchier*, Medic.," by Dr. N. L. Britton, illustrated by specimens.

"The Geographical Distribution of the Plants of Pennsylvania," by Prof. Thos. C. Porter.

Dr. Britton exhibited a copy of Trew's "*Plantæ Selectæ*," recently acquired by the botanical library of Columbia College.

Index to Recent Literature relating to American Botany.

Aberrant Forms in Cultivated Diatoms. Samuel Lockwood (Am. Mo. Mic. Journ. xiv. 269-273).

From "Le Diatomiste," June, 1893.

Acer rubrum, var. *Drummondii*. L. Spath (Gartenfl. xli. 357, with colored illustration).

Additions to the Flora of Colorado—Fungi. T. D. A. Cockerell (Zoë, iv. 282).

Aechmea Barleei. H. Witte (Gartenfl. xli. 359, with illustration).

Agave Americana. N. H. George and L. Wittmack (Gartenfl. xli. 269, with figures).

Ampelopsis quinquefolia—A Variety of. E. B. Knerr (Trans. Kansas Acad. Sci. xiii. 69).

Annual Report of the State Botanist of the State of New York. Charles H. Peck (45th Rep. N. Y. State Mus. Nat. Hist., Albany, 1893; reprint).

A list of plants not heretofore recorded from the State is given, fifteen or more species of Fungi are described as new, a study of the New York species of the genus *Omphalia* and other notes.

Asplenias—Observaciones sobre algunos Helechos Mexicanos de la Tribu de las. José N. Rovirosa (Naturaleza (Ser. ii.) ii. 179).

With illustrations of species of *Asplenium*, *Darea*, *Cænopteris*, *Athyrium*, *Diplazium*, *Hemidictyum* and *Anisogonium*.

Bacterial Flora of the Atlantic Ocean in the Vicinity of Wood's Hole Mass. H. L. Russell (Bot. Gaz. xviii. 383-395, 411-419; one plate).

Baptisia leucophæa. (Meehan's Month. iii. 177, with colored plate.)

Biographical Skizzen—I. Friedrich Sellow. Ign. Urban (Engler's Bot. Jahrb. xvii. 177-198).

Biographical sketch of this South American botanical collector, whose specimens have added so much to our knowledge of the flora of Brazil and Uruguay.

Bocconia arborea—Estudios relativos a la. Manuel M. Villada (Naturaleza (Ser. ii.) ii. 207).

Botanical Aspect of Pike's Peak—The. V. Havard (Gard. and For. vi. 452).

Botanical Notes from Texas. E. N. Plank (Gard. and For. vi. 272; 513).

Botanical Notes. Alice Eastwood (Zoë, iv. 186).

Botany of Martha's Vineyard—Observations on the Geology and. Arthur Hollick (Trans. N. Y. Acad. Sci. xiii. 8; reprint).

Brasilianischen Nutz- und Heilpflanzen—Die. Theodor Peckholt (Pharm. Rundsch. xi. 287).

Brassavola glauca. Alexander Bode (Gartenfl. xli. 176, with figure).

Calceolaria andina. J. D. Hooker (Curtis Bot. Mag. xlix. t. 7326). Describes a new species from Chili.

Californian Flora—Southern Extension of. T. S. Brandegee (Zoë, iv. 199).

Californian Uredineæ—New. P. Dietel (Erythea, i. 247-252).

Descriptions of new species in *Uredo*, *Uromyces* and *Puccinia*.

Cane Diseases and Pests in Trinidad. J. H. Hart (Bull. Misc. Infor. Trinidad, Roy. Bot. Gard., June, 1893).

Carduus heterolepis. J. N. Rose (Erythea, i. 234).

Catalogue of the North American Phenogams and Vascular Cryptogams in the Blake Herbarium. F. L. Harvey and F. P. Briggs (Bull. Maine State Coll. Lab. i. No. 2).

Composite Flora of Kansas—The Relations of the. A. S. Hitchcock (Trans. Kansas Acad. Sci. xiii. 89).

Contributions to Western Botany. Marcus E. Jones (Zoë, iv. 254).

Includes a Revision of the American species of *Aquilegia* north of Mexico, notes on *Townsendia*, and descriptions of new species or varieties in *Thelypodium*, *Caulanthus*, *Lepidium*, *Astragalus*, *Potentilla*, *Frasera*, *Emmenanthe*, *Phacelia*, *Gilia*, *Pentstemon* and *Eriogonum*.

Corrections in Nomenclature—III. Edw. L. Greene (Erythea, i. 206–208).

The name *Forsellesia* is proposed for *Glossopetalon*, A. Gray (1853) not Schreber, and *Bourdonia* for *Keerlia*, A. Gray (1852) not D. C. *Butneria*, Duham., is taken up for *Calycanthus*, L. Two species of *Lotus* and three of *Astragalus*, bearing homonyms, are re-named.

Corrections in Nomenclature—IV. Edw. L. Greene (Erythea, i. 246, 247).

Prof. Greene maintains that his generic name *Carlomohria* should be adopted for *Halesia*, Ellis, and here names the species. He also proposes *Colina* for *Mohria*, Sw., which he holds to be a homonym of *Morea*. Species of *Tradescantia* and *Delphinium* are re-named, and *Mimulus Congdoni*, Robinson, is transferred to *Eunanus*.

Delphinium—Neue Arten der Gattung. E. Huth (Bull. Herb. Boiss. i. 327–336; Pl. 14–17).

D. Penardi and *D. Barbeyi*, from Colorado, and *D. Ehrenbergii*, from Mexico are characterized.

Diatomaceæ of Minnesota. Inter-Glacial Peat. Benjamin W. Thomas (20th Ann. Rep. Geol. and Nat. Hist. Survey of Minnesota; pp. 291–320).

Diatomaceæ—What is a species in the? Arthur M. Edwards (Am. Month. Micr. Journ. xiii. 212).

Dipladenia atropurpurea. (Garden, xlv. 488, with colored illustrations.)

Erythronium mesochoreum. E. B. Knerr (Trans. Kansas Acad. Sci. xiii. 20).

Flora of Bouldin Island. Katharine Brandegee (Zoe, iv. 211).

Flora of Greenland—A Contribution to the. W. E. Meehan (Proc. Acad. Sci. Phila., April, 1893, 205).

Flora of Kansas—Additions to the. B. B. Smyth (Trans. Kansas Acad. Sci. xiii. 96).

Flora of Staten Island—Additions to the. W. T. Davis (Proc. Nat. Sci. Assoc. Staten Island, Oct. 14, 1893).

Flowering Plants and Ferns Collected in Franklin County, Kansas—A List of. W. E. Castle (Trans. Kansas Acad. Sci. xiii. 80.)

Fungi—New West American. J. B. Ellis and B. M. Everhart (Erythea. i. 197–206).

Descriptions of twenty-nine species in various genera.

Fungus from the Coal Measures.—A New. H. Herzer (Am. Geol. xii. 289, 290, Pl. xiii.).

A description of the new genus and species, *Dactyloporus archæus*, from the carboniferous formation in Tuscarawas county, Ohio. It is stated to be generically allied to *Polyporus* as to its sporiferous tubes, and again to *Agaricus* by its pileus and trunk. A wretchedly poor plate, similar in execution to others which have recently appeared in the same publication, accompanies the description.

Georgia (Tetraphis) pellucida et les Espèces alliées. N. C. Kindberg (Rev. Bryol. xx. 92, 1893).

Four North American species are briefly described, of which two bear new names. *Georgia cuspidata* is said to be different from *G. pellucida* in the curved capsules and excurrent vein of the perichaetial leaves. The specimens were collected in Canada by Macoun, and near Columbus, Ohio, by Schrader. We have seen Prof. Macoun's specimens and do not think them worthy of specific rank as the capsules are often curved and the pedicels very variable in length in *G. pellucida*; on the same plant the vein may disappear below the apex in the lower bracts, and be excurrent in the upper.

G. trachypoda is said to differ from *G. geniculata* in the seta being rough above, not below and not geniculate. It will be remembered that Braithwaite cites a variety *curvata*, Lindb., founded

on North American specimens of *G. pellucida*, with curved capsules, and that the pedicel of *G. geniculata* is described as rough above the bend, not below. E. G. B.

Gilia superba. *Phacelia nudicaulis*. Alice Eastwood (Zoë, iv. 296).

The author reduces the two above species to *Gilia subnuda*, Torr., and *Phacelia demissa*, A. Gray.

Gossypium lancæforme, Miers. James Britten (Journ. Bot. xxxi. 330-331).

Description of a new species from Mexico.

Grasses from Mexico—Descriptions of new. George Vasey (Contr. U. S. Nat. Herb. i. 281).

New species of *Paspalum*, *Panicum*, *Aristida*, *Muhlenbergia*, *Sporobolus* and *Eragrostis* are described.

Grasses from the United States—Descriptions of new or noteworthy.

George Vasey (Contr. U. S. Nat. Herb. i. 267).

Descriptions of new species of *Stipa*, *Oryzopsis*, *Muhlenbergia*, *Sporobolus*, *Bouteloua*, *Sieglingia*, *Eragrostis*, *Melica*, *Poa*, *Festuca*, and *Elymus*.

Grasses—Notes on some Pacific Coast. George Vasey (Contr. U. S. Nat. Herb. i. 265).

Guide to the Study of the Common Plants. Volney M. Spalding (12 mo. pp. xxiii. 246. Boston, Heath & Co., 1893).

Halesia v. *Mohria*. W. Watson (Gard. and For. vi. 486).

Halesia vs. *Mohria* vel *Mohrodendron*. J. H. Redfield, N. L. Britton (Gard. and For. vi. 518).

Heuchera sanguinea. (Gartenfl. xli. 617, with colored plate.)

Indefinite Stamens and sessile Pods in Cleome. Edw. L. Greene (Erythea, i. 233-234).

Introduced Plants in the Arid Region. E. L. Berthoud (Bot. Gaz. xviii. 435).

Laminariaceæ—On the Classification and Geographical Distribution of the. William Albert Setchell (Trans. Conn. Acad. ix. 333, reprint).

Leaf-Hair Structures—On certain. Walter C. Blasdale (Erythea, i. 252-257; one plate).

Liatris scariosa. N. E. Brown (Gardn. Chron. xiv. 593, with figure).

Lichens from California and Mexico, collected by Dr. Edward Palmer from 1888-1892—List of. J. W. Eckfeldt (Contr. U. S. Nat. Herb. i. 291).

Lobeliaceous Plants—Two rare. Edw. L. Greene (Erythea, i. 237, 238).

The genus *Baclea* is proposed for the *Nemacladus oppositifolius*, Robinson, and *Bolelia lata* described as new.

Maize—A Botanical and Economic Study. John W. Harshberger (Contr. Bot. Lab. Univ. Penn. i. No. 2, 75-202; three plates).

Masdevallia racemosa. F. C. Lehmann (Gartnfl. xli. 488, illustrated).

Michigan Plants—New and rare. G. H. Hicks (Asa Gray Bull. No. 3, 1893).

Novitates occidentales—V. Edward L. Greene (Erythea, i. 221-224).

New species and varieties are described in *Astragalus*, *Anclanchier*, *Saxifraga*, *Arabis*, *Senecio* and *Ptiloria*.

Novitates occidentales—VI. Edw. L. Greene (Erythea, i. 258-260).

Descriptions of new species in *Lotus*, *Helianthemum*, *Polygonum* and *Uropappus*.

New Plants—Descriptions of three. J. N. Rose (Contr. U. S. Nat. Herb. i. 289).

Ranunculus Cooleyæ and *Ligusticum Macounii* from Alaska, and *Sphæralcea Orcuttii* from the Colorado Desert, are the species described.

New Plants from Texas and Colorado—Descriptions of four. J. M. Holzinger (Contr. U. S. Nat. Herb. i. 288).

Descriptions of *Claytonia Bodini*, *Baptisia lanceolata*, var. *Texana*, *Stemodia Schottii*, and *Oxybaphus Bodini*.

Odontoglossum constrictum, Lindl., var. *Sanderianum*, Rbch. F. Kränzlin (Gartenfl. xli. 65).

Odontoglossum cirrhosum. L. Wittmack (Gartenfl. xli. 593, with colored plate).

Our Native Ferns and their Allies. L. M. Underwood (Fourth Edition, revised, 1893).

The author continues to improve this valuable little book, by bringing the list of publications under each chapter up to date, and incorporating the results of recent investigations and collection, as well as revising the nomenclature to conform to the Rochester Code. It supplies in a handy and inexpensive form much valuable information, and besides its high scientific value is an interesting and attractive addition to the library.

Papaveraceas—Los Alcaloides de las. Manuel M. Villada (Naturaleza (Ser. ii.) ii. 212).

Perityle rotundifolia (Amauria). T. S. Brandegees (Zoë, iv. 210).

Phanerogamic Parasites—On the Structure of the Haustoria of Some. George J. Pierce (Ann. Bot. vii. 291, with plates).

Phenogams and Vascular Cryptogams of Maine—A Contribution to the. F. L. Harvey and F. P. Briggs (Bull. Maine State College Lab. i. No 2).

Phyllospadix—The Genus. William Russell Dudley (Wilder Quarter-Century Book, Ithaca, N. Y., 1893, reprint).

A critical study of the genus, with illustrations of *P. Torreyi*

Piñon Gathering among the Parramint Indians. B. H. Dutcher (Am. Anthropol. Oct. 1893).

Describing the gathering of the nuts of *Pinus monophylla*.

Pitcairnia floccosa. L. Wittmack and C. E. Kirschoff (Gartenfl. xli. 352, with figures.)

Plantæ Glaziovianæ novæ minus cognitæ. P. Taubert (Bot. Jahrb. xvii. 502).

New species from Brazil are described in the genera *Saccoglottis*, *Oxalis*, *Poecilandra*, *Drosera*, *Turnera*, *Klotzschia*, *Didymopanax*, *Gaylussacia*, *Agarista*, *Buddleia*, *Coccoloba*, *Cryptocarya*, *Hufelandia*, *Acrodiclidium*, *Phæbe*, *Ocotea*, *Pellæa*, *Anemia*, and thirteen species of fungi. A new genus in the Gentianaceæ, with one species, *Senæa cœrulea*, is also described.

Plants Collected by the Garfield University Expedition of 1889—List of. M. A. Carleton (Trans. Kansas Acad. Sci. xii. 50).

Plant Intelligence. Walter C. Kerr (Proc. Nat. Sci. Assoc. Staten Island, Oct. 14, 1893).

Description of the movements exhibited by the flowering scape of *Eichornia crassipes*.

Plants of Mason County, Mich. H. T. Blodgett (Asa Gray Bull. No. 3, 1893).

Plants New to Florida—List of. J. M. Holzinger (Contr. U. S. Nat. Herb. i. 288).

Popular American Plant Names—II. Fanny D. Bergen (Bot. Gaz. xviii. 411).

Preliminary Report of the Microscopical Organisms of the Brooklyn Water Supply. Smith Ely Jelliffe (Brooklyn Medical Journal, vii. 593–617).

A report is made upon the organisms found during the six months from November, 1892, to May, 1893, and details of the method of examination, a short resumé of the work done in similar lines, the seasonal distribution and the sanitary relationships are discussed. A series of plates giving the comparative abundance of the organisms is given; a partial bibliography of the American titles on the microscopical examinations of water supplies. Three plates, representing most of the organisms that appear in the lists, close the contribution.

Quercus Prinos (Gardn. Chron. xiv. 61, with figure).

Report of the Botanist. L. R. Jones (Report Vermont State Agric. Exp. Sta. for 1892, illustrated).

Report on "Cacao" in Nicaragua. (Bull. Roy. Bot. Gard. Trinidad, Sept., 1893.)

Report upon the Hills of Louisiana, south of the U. S. and P. R. R., to Alexandria, La.—A preliminary. Part II. Otto Lerch (pamph. pp. 159, Baton Rouge, 1893).

This is a characteristic elementary document, designed for popular use. There are some facts in regard to the distribution of plants which are of interest, and these may be found under 'Botanical Notes' on pages 151–158. Thus the trees and shrubs are grouped according to the character of the soil in which they grow, which is always a matter of interest. A list of twenty her-

baceous plants is also included, under the heading 'Medicinal Herbs,' and finally there is what purports to be a list of "Grasses." In this latter may be noted species of *Carex*, *Scirpus*, *Cyperus*, *Juncus*, *Eleocharis*, *Rhyncospora*, *Lespedeza* (!) etc. A. H.

Rhipsalis Warmingiana. G. A. Lindberg (Gartenfl. xli. 8, with figures).

Riparian Botany of the Lower Sacramento. Willis L. Jepson (Erythea, i. 238-246).

Robinia Neo-Mexicana. L. Wittmark and F. Brettschneider (Gartenfl. xli. 649, with colored plate).

Rodriguezia Calopectron. E. Regel (Gartenfl. xli. 281, with colored plate).

Rubber of the Orinoco—The. A. Ernst (Bull. Misc. Infor. Trinidad, Roy. Bot. Gard., June, 1893).

Describing *Hevea Brasiliensis* and the methods by which the rubber is collected.

Rust of Mountain Ash—The. Byron D. Halsted (Gard. and For. vi. 508).

Note on *Gymnosporangium globosum*.

Salvinia natans on Staten Island. W. C. Kerr (Proc. Nat. Sci. Assoc. Staten Island, October 14, 1893).

Record of its recent introduction.

Sap of Trees and its Movements—The so-called. Charles R. Barnes (Science, xxi. 239-241).

An address delivered before the State Horticultural Society of Wisconsin.

Sectioning Fern Prothallia and other delicate Objects. W. B. Thomas (The Microscope (II.) i. 167-168).

Selective Absorption of Heat by Leaves. G. A. Meyer (Trans. Kansas Acad. Sci. xiii. 48).

Senecio sagittifolius. J. D. Hooker (Curtis Bot. Mag. xlix. t. 7322).

Describes a new species from Uruguay.

Serjania—Arten—Drei neue. L. Radlkofer (Bull. Herb. Boiss. i. 464-468).

S. alurigera from Peru, *S. lateritia* from Guatemala, and *S. didymadenia* from Bolivia (Rusby, 517, distributed as *S. clematidifolia*, Camb.?).

Skizze der Vegetationsverhältnisse von Santiago in Chile. Fr. Meigen (Engler's Bot. Jahrb. xvii. 199–294).

A general account of the flora of the region, supplemented by a list of several hundred species collected by the author, novelties being described in the following genera: *Calceolaria*, *Draba*, *Gilia*, *Enothera*, *Pernettya*, *Senecio*, *Solanum* and *Valeriana*.

Sudamerikanische Hochgebirgspflanzen. W. Siber (Gartenfl. xli. 425, 452). With colored illustrations of *Paranephelium uniflorum*, *Espeletia grandiflora*, *Eryngium pumillum* and *Veronica cupressoides*.

Taxodium distichum. Maxwell T. Masters (Gardn. Chron. xiv. 659, with figure.)

Texas Trees—Notes on Some of the. J. Reverchon (Gard. and For. vi. 503).

Æsculus arguta, *Sapindus marginatus*, *Rhus copalina*, var. *lanceolata*, *Sophora affinis*, *Prosopis juliflora* and *Bumelia lanuginosa* are the species discussed.

Tillandsia Lorentziana Griseb. und andere Argentinische Arten—*Bemerkungen zu.* F. Kurtz (Gartenfl. xli. 404).

Uredineæ of the San Francisco Bay Region—The. W. C. Blasdale (Asa Gray Bull. No. 3, 1893).

Vagrant Crucifers. John Higgins (Asa Gray Bull. No. 3, 1893).

Variations in Dominant Species of Plants. W. A. Carleton (Trans. Kansas Acad. Sci. xiii. 24).

Victoria regia. H. Gaerdt (Gartenfl. xli. 651).

Vitis Baileyana, *Munson.* T. V. Munson (Leaflet, pp. 2, dated June 20, 1893, issued November, 1893).

Description of the grape first described by Mr. Munson as *V. Virginiana*; this name being a homonym of a Lamarckian species is here changed to the above.

Vitis in Kansas—The Distribution of the Genus. A. S. Hitchcock (Trans. Kansas Acad. Sci. xiii. 79).

Water Lily Trees—The. F. W. Burbidge (Garden, xliv. 438).

With colored illustration of *Magnolia Fraseri*.

West American Coniferæ—Notes on—III. J. G. Lemmon (Erythea, i. 224–231).

Mr. Lemmon here discusses the synonymy and nomenclature of the Monterey Pine and the Knob-cone Pine, and concludes that the former should be known as *Pinus radiata*, Don, and the latter as *P. attenuata*, Lemmon.

Western Kansas—Some Notes on Condensed Vegetation in. Minnie Reed (Trans. Kansas Acad. Sci. xiii. 91).

Winter-Killing of Trees and Shrubs—The. Aven Nelson (Wyoming Exper. Sta. Bull. No. 15, 1893).